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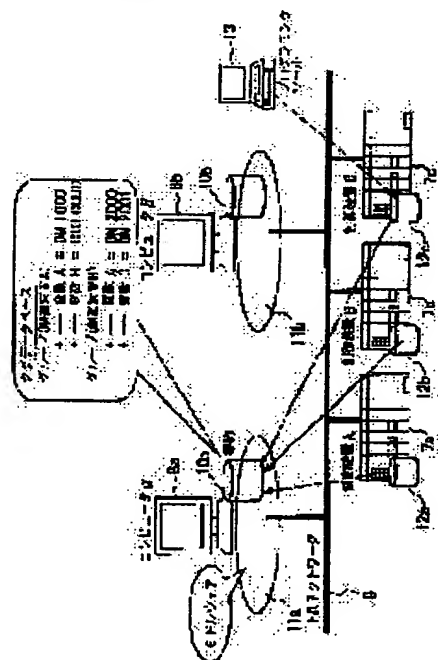
(54) DISTRIBUTED CONTROL SYSTEM AND ITS CONSTITUTING ELEMENT

(57) Abstract:

PROBLEM TO BE SOLVED: To share allocation changing information with a logical name and a physical address with all the computers by updating tag data based on information from a controller holding allocation data of the physical address and its logical name.

SOLUTION: Computers 8a and 8b hold tag databases(TDB) 10a and 10b showing an allocating relation between the physical address on an input/output signal handled by controllers 7a to 7c respectively through an FA network 9 and its logical name. Middlewares 11a and 11b as access supporting means accesses to the input/output signal after converting the logical name to the physical address by referring to the TDBs 10a, 10b and update the TDB 10a and 10b based on local data bases 12a to 12c sucked from the controllers 7a to 7c.

Consequently, when allocation change between the logical name and the physical address is executed concerning one of the controllers, its changing information can immediately be shared with all the computers.



LEGAL STATUS

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